2665

SMART & BIGGAR
Intellectual Property & Technology Law

P.O. Box 2999, Station D
900 – 55 Metcalfe Street
Ottawa, Ontario Canada K1P 5Y6
Tel. (613) 232-2486 Fax (613) 232-8440

www.smart-biggar.ca
Allan Brett
abrett@smart-biggar.ca

Our Ref: 71493-1044

September 16, 2004

United States Patent and Trademark Office
220 20th Street South
Customer Window
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA
22202, U.S.A.

Attention: Examiner Huy Duy Vu
Group Art Unit 2665

Dear Examiner Vu:

Re: United States Patent Application
No: 10/038,915
Inventor(s): Jianglei Ma, et al
Title: "System Access and Synchronization Methods for MIMO OFDM Communications Systems and Physical Layer Packet and Preamble Design"

Further to your telephone conversation with Ms. Sarah Bergeron of our office on September 9, 2004, please find enclosed a copy of a Supplemental IDS which was originally sent by overnight courier on February 11, 2004.

According to your telephone call, the entire Supplemental IDS (including references) appears to be missing from the file. We also enclose a copy of the Acknowledgement Card which was stamped 'received' by the OIPE on February 12, 2004. Please accept this submission as received on February 12, 2004 as per the stamp on our acknowledgement card.

Yours very truly,

SMART & BIGGAR

Allan Brett

RAB:slb
Encl.

THE U.S. PATENT & TRADEMARK OFFICE OFFICIAL MAILROOM STAMP AFFIXED HERETO, ACKNOWLEDGES RECEIPT OF:

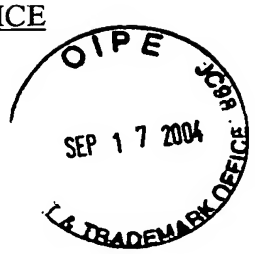
- ☒ Supplemental Information Disclosure Statement
- ☒ PTO-1449
- ☒ 18 Cited References
- ☒ 1 PCT Search Report

RE: APPLICATION

APPLICANT: Jianglei Ma, et al
S/N: 10/038,915
FILED ON: 01/08/02
OUR FILE: 71493-1044
TITLE: SYSTEM ACCESS AND SYNCHRONIZATION METHODS FOR MIMO OFDM COMMUNICATIONS SYSTEMS AND PHYSICAL LAYER PACKET PREAMBLE DESIGN

Fax

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
ATTY. DOCKET NO. 71493-1044 (RAB:rld)



In re Patent Application of Jianglei Ma, et al

Serial No. 10/038,915 Group Art Unit: 2661

Filed: January 8, 2002 Examiner: Huy Duy Vu

For: SYSTEM ACCESS AND SYNCHRONIZATION METHODS FOR MIMO OFDM COMMUNICATIONS SYSTEMS AND PHYSICAL LAYER PACKET PREAMBLE DESIGN

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement is being filed in the manner prescribed by 37 CFR 1.97(b) - (d) to satisfy the duty under 37 CFR 1.56 to disclose to the Office information, known to individuals associated with the filing and prosecution of the subject application, which is material to the examination of the application.

In accordance with 37 CFR 1.97(g) and (h), this statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 CFR 1.56(b).

This information disclosure statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first official action on the merits and therefore applicant respectfully requests consideration under 37 CFR 1.97(b).

In accordance with 37 CFR 1.97(e), I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

In compliance with 37 CFR 1.98(a)(1), a list of all patents, publications or other information submitted for consideration by the Office is hereby provided by way of the attached Form PTO 1449.

In compliance with 37 CFR 1.98(a)(2), also enclosed is a legible copy of:

i) each United States and foreign patent;

ii) each publication or that portion which caused it to be listed; and

iii) all other information or that portion which caused it to be listed, excluding any copies of a United States patent application.

It is respectfully requested that the information be expressly considered by the Examiner and that the references be made of record and appear among the "References Cited" on any patent to issue therefrom.

The Patent Office is hereby authorized to charge any deficiency, or credit any overpayment in fees to Deposit Account Number 19-2550.

Respectfully submitted,

JIANGLEI MA, ET AL

Dated: February 11, 2004

Allan Brett
Reg. No. 40,476
Smart & Biggar
Box 2999, Station D
55 Metcalfe Street, Suite 900
Ottawa, Ontario
Canada K1P 5Y6
Telephone: (613) 232-2486
Fax: (613) 232-8440

Encls.: Form PTO-1449
All references listed on Form PTO-1449
PCT Search Report
Acknowledgement Card

Form PTO-1449 (Modified)	Atty. Docket No. 71493-1044	Serial No. 10/038,915
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant Jianglei Ma, et al	
	Filing Date January 8, 2002	Group 2661

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FIL.DATE IF APPROPRIATE
	AA	0	1	2	2	3	8	2	Sept 5, 2002	Jianglei Ma, et al	370	208	
	AB	0	0	8	0	8	8	7	June 27, 2002	Young-Ho Jeong, et al	375	295	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
													YES	NO
	AC	9	8	3	7	6	5	4	24.02.98	WO	H04J	13/00		
	AD	2	3	2	0	8	7	1	17.12.1997	GB	H04L	27/26		
	AE	9	8	1	9	4	1	0	22.10.97	WO	H04J	1/02		
	AF	0	2	1	7	6	1	5	23.08.2001	WO	H04N			
	AG	1	0	9	6	8	2	2	27.10.2000	EP	H04Q	7/38		

OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.)

	AH		Czylwik, Andreas; SYNCHRONIZATION FOR SYSTEMS WITH ANTENNA DIVERSITY; IEEE, 1999, pp. 728-732.
	AI		Tufvesson, Fredrik; Edfors, Ove; Faulkner, Mike; TIME AND FREQUENCY SYNCHRONIZATION FOR OFDM USING PN-SEQUENCE PREAMBLES; IEEE, 1999; pp. 2203-2207.
	AJ		Müller-Weinfurtner, Stefan H.; FREQUENCY-DOMAIN FRAME SYNCHRONIZATION FOR OPTIMUM FREQUENCY-DIFFERENTIAL DEMODULATION OF OFDM; Global Telecommunications Conference - Globecom 1999; IEEE; pp 857-862.
	AK		Zhang, Yingjun; Letaief, K.B.; MULTIUSER SUBCARRIER AND BIT ALLOCATION ALONG WITH ADAPTIVE CELL SELECTION FOR OFDM TRANSMISSION; IEEE, 2002, pp. 861-865.
	AL		Henry, James; Kori, M.H.; DECT BASED RURAL RADIO LOCAL LOOP FOR DEVELOPING COUNTRIES; IEEE, 1996, pp. 44-46.
	AM		Li, Junsong; Farahvash, Shayan; Kavehrad, Mohsen; DYNAMIC TIME-DIVISION-DUPLEX WIRELESS LOCAL LOOP; IEEE, 2000, pp. 1078-1085.
	AN		Vogiatzia, N.; Sanchez-P, J.A.; AN ADAPTIVE MULTICARRIER WIRELESS ACCESS SYSTEM; IEEE, 2000, pp. 298-303.
	AO		Bakker, J.D.; Schoute, F.C.; Prasad, R.; AN AIR INTERFACE FOR HIGH BANDWIDTH CELLULAR DIGITAL COMMUNICATIONS ON MICROWAVE FREQUENCIES; IEEE, May 18, 1998, pp. 132-138.
	AP		Chuang, J.C-I; Sollenberger, N.R.; Cimini, L.J.; POWER CONTROL FOR DYNAMIC PACKET ASSIGNMENT; IEEE, May 18, 1998, pp. 1750-1754.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.